

NOAA OSTM / Jason-2 Ground System

November 2003

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NOAA/NESDIS

Office of Satellite Operations





Fairbanks Command and Data Acquisition Station

Suitland
Satellite
Operations
Control Center



Wallops Command and Data Acquisition Station

Satellite Operations Control Center





GOES Operations



DMSP Operations

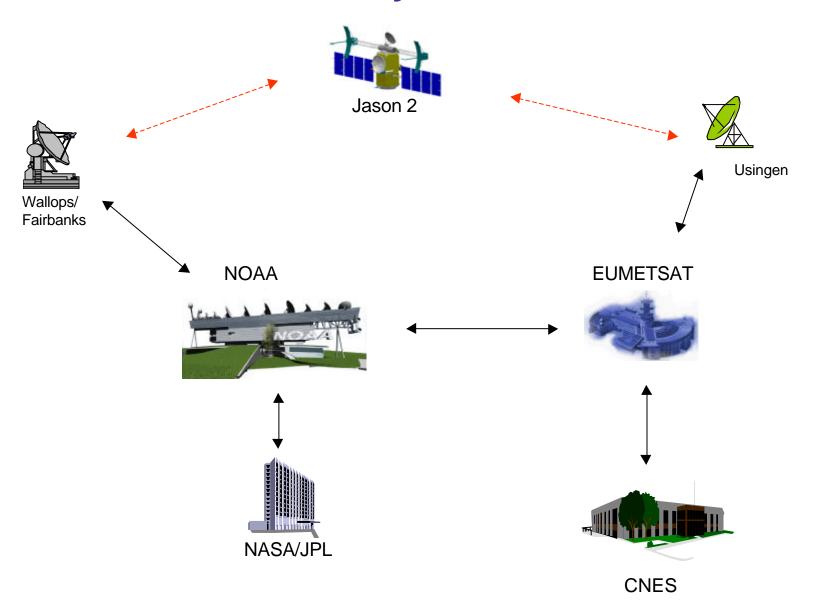


Real-Time Operations

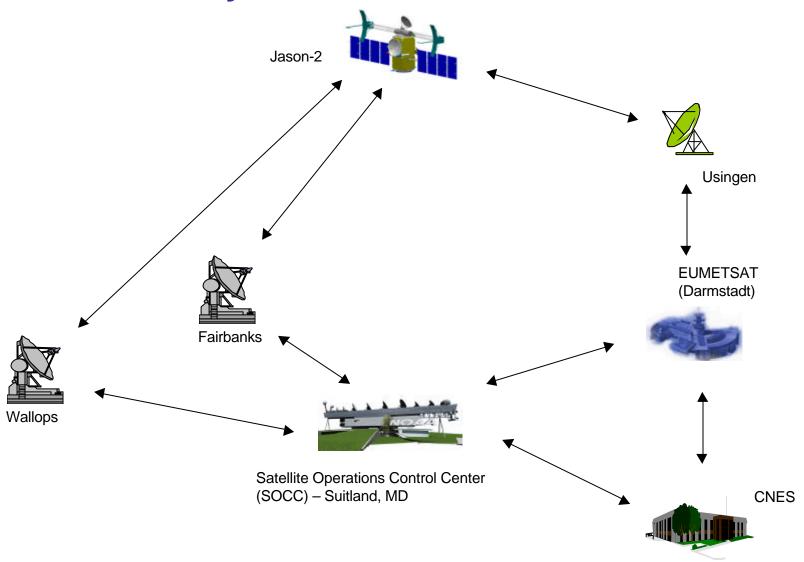
- Total Redundancy in all Ground Components
- High Reliability: 99.8% Data Recovery for all Three Systems



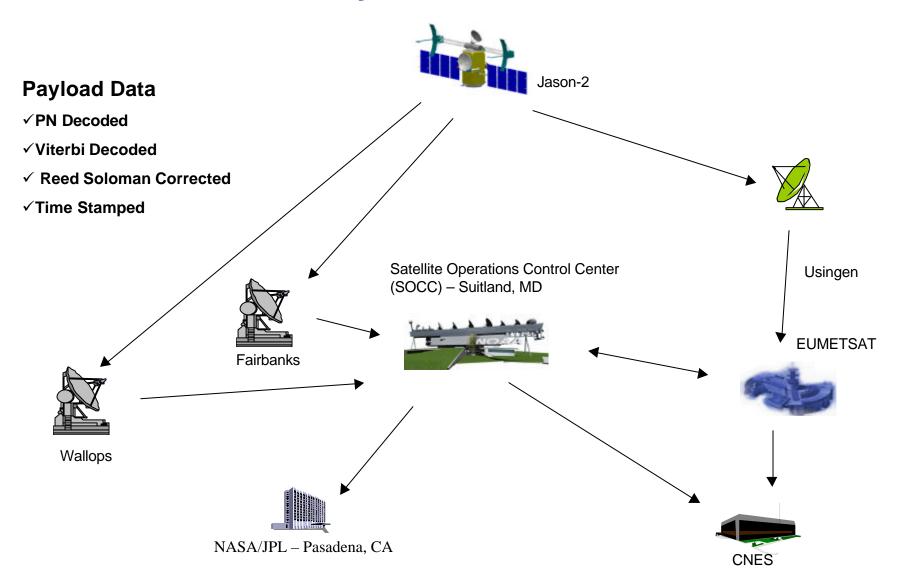
Jason-2 System Overview



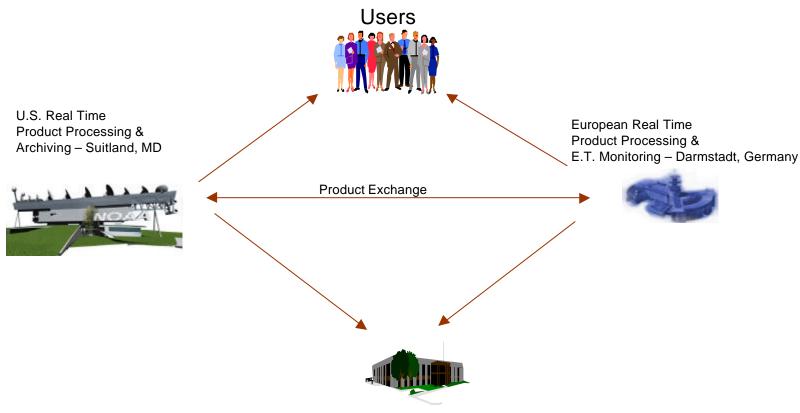
Telemetry, Command & Control Data Flow



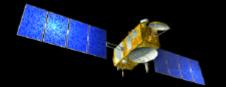
Payload Data Flow



Jason-2 Operational Geophysical Data Records (OGDRs) Data Flow









Envisat

Jason

GFO



Altimeter telemetry

NASA / CNES / ESA / NAVY / NOAA / EUMETSAT

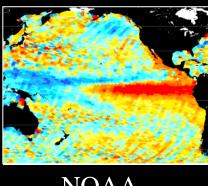


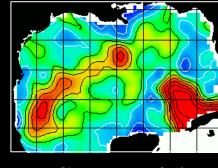
Quick-look GDRs

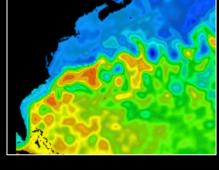
U.S. Shared Processing Program



Sea level anomaly







NOAA

Commercial

Navy

NOAA OSTM/Jason-2 Status

- U.S. Department of Commerce approved OSTM Ground System upgrade budget request for FY05
 - Next step, budget approval from U.S. Office of Management Budget
- NESDIS Administrator, Mr. Withee, sent letter of commitment (pending budget approval) to both EUMETSAT and CNES in September 03
- System Engineering task are well underway

NOAA OSTM/Jason-2 Ground System Project Schedule

Milestone	Start	End	Joint System Need (Joint Schedule Line #)
Four Partners System PDR	May 04	May 04	May 04 (6)
Wallops CDA Upgrade (Incl. SOCC Backup)	Aug 05	Feb 06	Dec 06 (151)
SOCC Upgrade	Sep 05	Mar 06	Dec 06 (161)
Four Partners System CDR	Mar 06	Mar 06	Mar 06 (8)
Data Processing Integration	Sep 05	Aug 06	Dec 06 (160)
Fairbanks CDA Upgrade	Jan 06	Jun 06	Dec 06 (151)
Archive & Access Integration	Oct 05	Sep 06	Dec 06 (159)
Complete Ground Segment Validation	May 06	Jun 06	Jun 06 (166)
NOAA DCN Operational	Jun 06	Dec 06	Mar07 (180)
System (incl. Sat.) Technical Qualification	Mar 07	Mar 07	Mar 07 (176)
Jason-2 Launch	Oct 07 (197)		